

MECK MODEL PM-5C5-DW10



MECK (TRAIL BLAZER) MODEL PM-5C5-DW10

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<b>TRADE NAME</b> Meck (Trail Blazer), Model PM-5C5-DW10 <b>MANUFACTURER</b> John Meck Industries, Plymouth, Indiana <b>TYPE SET</b> AC Superheterodyne - Self Contained Loop Antenna - Record Player <b>TUBES (FIVE)</b> Types (Lock-In Models) 14Q7 Converter, 14A7/12B7 IF Amp., 14B6 Det.-AVC-AF, 50A5 Power Output, 35Y4 Rectifier. (Octal Models) 12SA7GT Converter, 12SK7GT IF Amp., 12SQ7GT Det.-AVC-AF, 50L6GT Power Output, 35Z5GT Rectifier. <b>POWER SUPPLY</b> 117 Volts AC Rating .255 Amp. @ 117 Volts AC (Radio Only) <b>TUNING RANGE—BROADCAST</b> 550KC - 1600KC <b>SHORT WAVE</b>						
ALIGNMENT INSTRUCTIONS						
DUMMY ANTENNA *	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
.05 MFD	High side to ant. stator section of tuning gang. Low side to chassis.	455KC	High freq. end of dial. (min. cap.)	Across voice coil	A1,A2, A3,A4.	Adjust for maximum output. Use isolation transformer if available. If not, isolating capacitor must be connected between generator ground lead and receiver chassis. Also decrease dummy ant. to .001 MFD to prevent excessive hum modulation.
	Loop	1600KC	1600KC	"	A5	Adjust for maximum output. Connect signal generator output to loop of few turns of wire and radiate signal into receiver loop (no direct connection)
	"	1400KC	Tune in 1400 KC signal.	"	A6	"

Volume control at maximum volume and output from signal generator no higher than necessary to obtain output reading. Use insulated alignment screwdriver for adjusting.



# PARTS LIST AND DESCRIPTIONS

## TUBES

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	INSTALLATION NOTES
		MECK PART No.	STANDARD REPLACEMENT		
1	Converter	12SA7GT 14Q7	12SA7GT 14Q7	8AD 8AL	Octal Type Lock-In "
2	IF Amp.	12SK7GT 14A7/12B7	12SK7GT 14A7/12B7	8N 8V	Octal " Lock-In "
3	Det.-AVC-AF	12SQ7GT 14B8	12SQ7GT 14B8	8Q 8W	Octal " Lock-In "
4	Power Output	50L6GT 50A5	50L6GT 50A5	7AC 6AA	Octal " Lock-In "
5	Rectifier	35Z5GT 35Y4	35Z5GT 35Y4	6AD 6AL	Octal " Lock-In "

## CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING		REPLACEMENT DATA						IDENTIFICATION CODES AND INSTALLATION NOTES
			MECK	MALLORY	SOLAR	SPRAGUE	AEROVOX	CORNELL-DUBILIER	
	CAP.	VOLT	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	
6 (A)	20	150	CL-10001	TN129	DHN-2x20-150	TA-220	PRS150-20-20	EZ42215	Filter - Red
(B)	20	150							" - Blue
(C)	20	150							" - Yellow
7	.05	400	CP-14503	TP426	DH-20-150	UT-201	PRS150-20		Line Filter
8	.05	400	CP-14503	TP426	S-4-05	TC-15	484-.05	DT435	50A5 Plate Bypass
9	.01	400	GP-14103	TP421	S-4-01	TC-11	484-.01	DT4S1	Audio Coupling
10	.01	200	CP-12103	TP421	S-4-01	TC-11	484-.01	DT4S1	" "
11	.05	200	CP-12503	TP426	S-4-05	TC-15	484-.05	DT4S5	AVC Filter
12	250	500	CM-15251	MC240	M0.5-325	1FM-325	1468-.00025	5W5T25	Audio Plate Bypass
13	250	500	CM-15251	MC240	M0.5-325	1FM-325	1468-.00025	5W5T25	RF Bypass Diode
14	50	500	CM-15500	MC225	M0.5-45	1FM-45	1468-.00005	5W5Q5	Osc. Grid Cond.

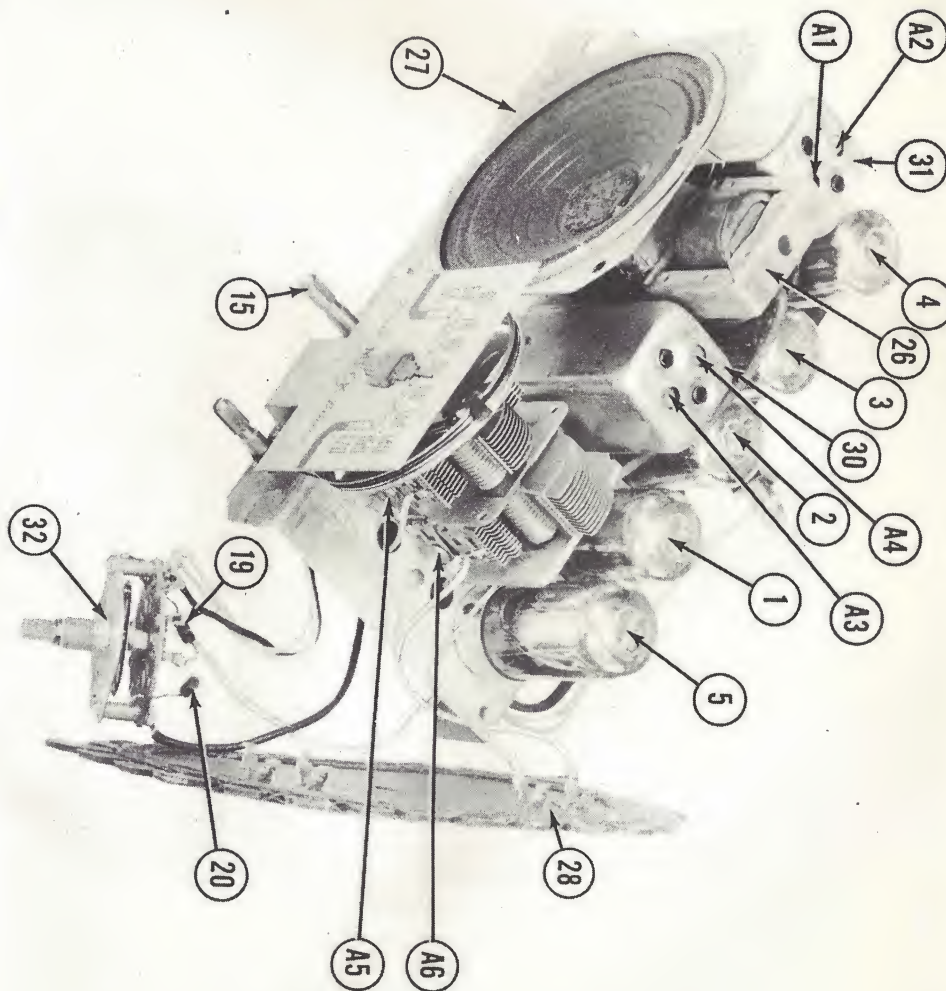
## CONTROLS

ITEM No.	RATING		REPLACEMENT DATA				INSTALLATION NOTES
	RESISTANCE	WATTS	MECK PART No.	MALLORY PART No.	IRC PART No.	CLAROSTAT PART No.	
15(A)	1 Meg.	1	VC-10105	MK402	D13-137	AM-63-Z	Volume Control
(B) Shaft			Not Req.	Not Req.	E	KSS-3	Attach to 15A per instructions
			" "	M26	41	SW-A	" " " " " "

## RESISTORS

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	MECK PART No.	IRC PART No.	
16	20KΩ	1/4	RC-32002	BTS-20K	Red-Blk.-Or. Osc. Grid
17	2 Meg.	1/4	RC-32004	BTS-2 Meg.	Red-Blk.-Grn. AVC Network
18	10 Meg.	1/4	RC-31005	BTS-10 Meg.	Br.-Blk.-Blue 1st AF Grid
19	750KΩ	1/4	RC-37503	BTS-750K	V1.-Grn.-Yl. Phono Load
20	1 Meg.	1/4	RC-31004	BTS-1 Meg.	Br.-Blk.-Grn. Phono Series
21	250KΩ	1/4	RC-32503	BTS-250K	Red-Grn.-Yl. 1st AF Plate Load
22	470KΩ	1/4		BTS-470K	Yl.-V1.-Yl. Output Grid
23	150Ω	1/4	RC-31500	BW-1/2-150	Br.-Grn.-Br. " Cathode
24	1000Ω	1		BW-1-1000	Br.-Grn.-Red Filter
25	200Ω	1		BW-1-200	Red-Blk.-Br. "

# CHASSIS—TOP VIEW





## PARTS LIST AND DESCRIPTIONS

### TRANSFORMER (OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	IMPEDANCE		DC RES.		PART No.	STANCOR PART No.	THORDAR'N PART No.	UTAH PART No.	
	PRI.	SEC.	PRI.	SEC.					
26	2100Ω	3.25Ω	188Ω	.9Ω	T0-10000	A3876*	T-14S82*	8775*	*Bend mounting tabs down and mount by original bracket.

### SPEAKER

ITEM No.	RATINGS		REPLACEMENT DATA			INSTALLATION NOTES
			MECK PART No.	JENSEN PART No.	UTAH PART No.	
	FIELD	VC IMP.				
27	PM	3.25Ω	SR-10000	ST-113	4PY	
	CONE DIA.	VC DIA.	NOT READILY REPLACEABLE-USE COMPLETE UNIT.			
	3-15/16"	1/2"				

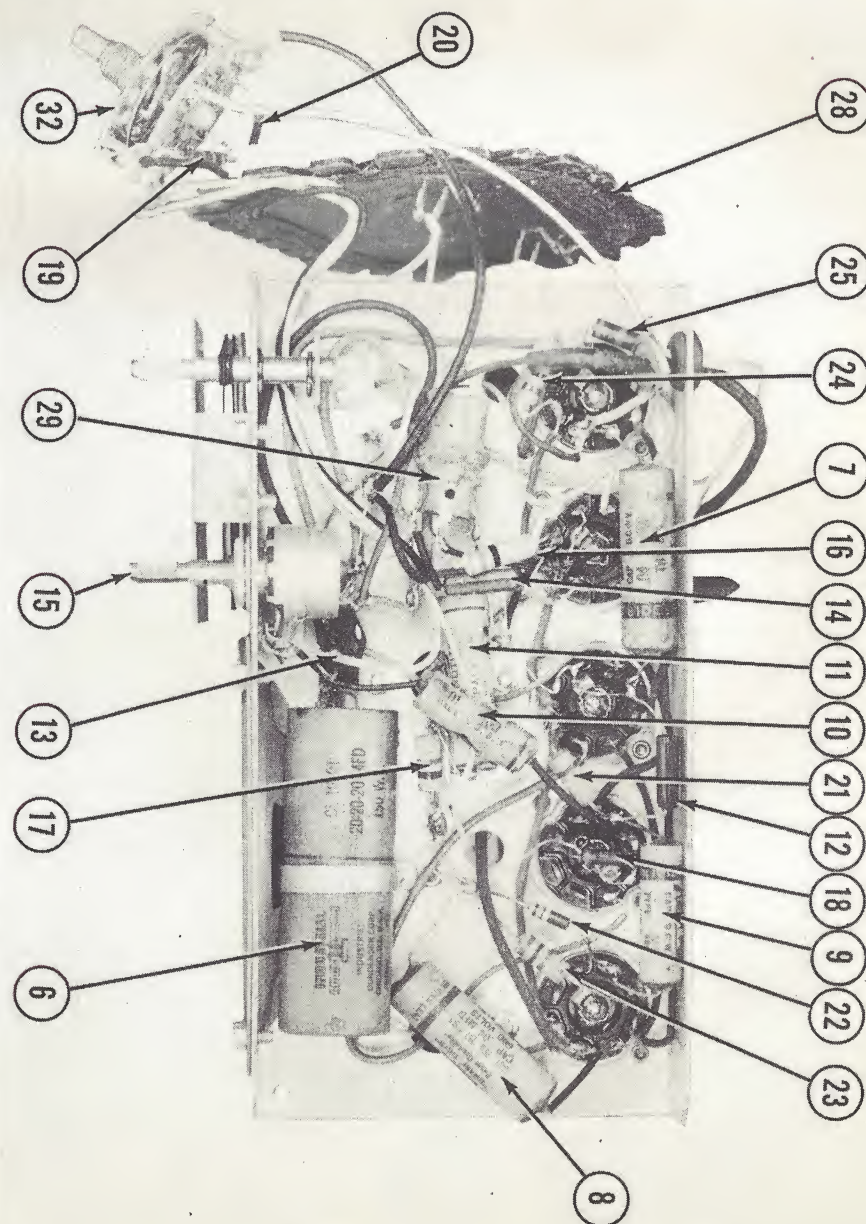
### R F COILS

ITEM No.	USE	DC RES.		REPLACEMENT DATA		INSTALLATION NOTES
		PRI.	SEC.	MECK PART No.	MEISSNER PART No.	
28	Loop Ant.	.1Ω	1.3Ω	AL-10003		
29	Osc. Coil	.5Ω	3.3Ω	TRC-10000-D	14-1040	
30	Input IF	24Ω	22.5Ω	TS-10000	16-6658	
31	Output IF	24Ω	22.5Ω	TS-10001	16-6660	

### MISCELLANEOUS

ITEM No.	PART NAME	MECK PART No.	NOTES
A5	Trimmer		Part of variable tuning cap. (CV-10002-D)
A6	"		"
32	Tuning Cap.	CV-10002-D	2 gang variable capacitor
	Switch	VS-10000	Radio-Phono, double pole-three position
	Arm	PA-10000	Crystal pickup arm
	Phono Motor	PRS-10000	Single record

## CHASSIS—BOTTOM VIEW





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